

# 934-1 Barcol Hardness Tester



## GENERAL DESCRIPTION

934-1 is a kind of portable hardness tester, it is the typical model which is in widest application mainly used for rapid hardness tests for aluminum and aluminum alloy, as well as fiberglass reinforced plastic. Barcol hardness tester has the simple operation by just a single hand and wide measuring range, no experience to be needed. It can be applied to all the aluminum and aluminum alloy, only need to contact one side to finish the test.

## FUNCTION AND FEATURES

- Easy to Use: Single hand operation. Easy to use. High efficiency. Ability to test anywhere.
- High Sensitivity: Barcol Hardness Tester has 100 scales. Sensitivity is higher than that of Webster Hardness Testers.
- Wide Testing Range: It can test from pure aluminum to super hard aluminum alloy.

## TECHNICAL PARAMETERS

Test Range: 0-100 HBa

Effective Range: 35-90 HBa (equivalent to 25-150 HBW)

Resolution: 0.5 HBa

Indication Error: 42-48 HBa $\pm$  2 HBa

81-88 HBa $\pm$  1 HBa

Repeatability Error: 42-48 HBa $\pm$ 2.5 HBa

81-88 HBa $\pm$  1.5 HBa

Sample thickness Requirements: >0.8 mm

Weight: 0.5 kg

Aluminum Alloy	1100-0	3003-0	3003-H14	2024-0	5052-0	5052-H14	6061-T6	2024-T3
Barcol Hardness Value	35	42	56	60	62	75	80	85

### 934-1 Barcol Impressor Type Comparison

Type	Equivalent Hardness Range	Application Materials	Model Test Piece
934-1	25-150HB	Aluminum, aluminum alloy, reinforced plastics (FRP, SMC, BMC, somersetting laminate, etc.) and hard plastic.	Aluminum plates, thick wall aluminum, aluminum wheels, aluminum alloy castings, etc. Aluminum doors and windows after assembly, curtain wall, ladder, FRP sanitary ware products, hull, storage tank, artificial marble slab, etc.
934-1 With flat feet	25-150HB	Aluminum, aluminum alloy and fiberglass.	Aluminum rods, ladders and other narrow face or cylinder products.
935	68-90 HSD	Soft plastic, hard rubber and soft metal.	Acrylic board and SAN resin.
936	52-90 HSD	Super soft material.	Lead, leather, plastic flooring and rubber.

#### Package of 934-1 Barcol Impressor

##### Standard Assembly



##### Spare Parts



Flat Leg ( Being used in testing narrow surface and cylinder parts with width less than 40mm, such as aluminum made fire ladder and aluminum bar.)